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Notice of Allowability	Application No.	Applicant(s)	
	10/788,897	WATANABE ET AL.	
	Examiner	Art Unit	
	Biju Chandran	2835	
The MAILING DATE of this communication appearable communication appe	OR REMAINS) CLOSED in this apport of the appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due c	d ourse. THIS
1. This communication is responsive to <u>02/27/2004</u> .			
2. ☑ The allowed claim(s) is/are <u>1-23</u> .			
a) ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the priority documents have 4. ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted in INFORMAL PATENT APPLICATION (PTO-152) which gives in CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  [Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the deposed attached Examiner's comment regarding REQUIREMENT Feet and the sheet of the priority documents have a comment regarding REQUIREMENT Feet and the priority documents have a comment regarding REQUIREMENT Feet and the priority documents have a comment regarding REQUIREMENT Feet and the priority documents have a comment regarding REQUIREMENT Feet and the priority documents have a comment regarding Requirements ha	been received. been received in Application No uments have been received in this of this communication to file a reply ENT of this application.  ted. Note the attached EXAMINER is reason(s) why the oath or declarate be submitted. on's Patent Drawing Review ( PTO- Amendment / Comment or in the Comment or in the Comment of the drawing header according to 37 CFR 1.121( it of BIOLOGICAL MATERIAL re	national stage application of the following with the requirement of the following in the front (not the followings in the submitted. Note that the submitted is the submitted of the followings in the submitted.	uirements OTICE OF
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 02/27/2004  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statements.	(PTO-413), te ment/Comment	vance

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## **DETAILED ACTION**

## Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Prior art does not disclose a casing with connectors enclosing a control circuit substrate carrying electronic parts, a metal mounting plate having an external mounting portion and a plurality of support portions around an opening in the bottom surface supporting said control circuit substrate, and a power circuit substrate with power control elements and which has a metal substrate and fits into the opening in the bottom surface of the metal mounting plate and which is electrically connected to the control circuit substrate, and where the lower portion of the metal substrate is exposed.

Distinguishing features from the closest prior art are listed below:

with a casing (12+14) with a connector enclosing a control circuit substrate (22), and a metal mounting plate (16) with having an external mounting portion (58) and a plurality of support portions (see in figure 2) supporting the control circuit substrate, and power control elements (66). However, the power control elements are mounted on the metal mounting plate and not fitted into an opening in the bottom surface of the metal mounting plate, also the support portions on the metal support portions are not around an opening in the metal mounting plate, as disclosed by the applicant.

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Other relevant prior art the meet some of the limitations of the independent claim 1 are: Noriyuki et al. (JP-07297561 A), Yuko et al. (JP 2000323848 A), Yamane (US 2002/0141143 A1), Onizuka et al. (US 2004/0141292 A1), Skofljanec (US 2003/0048611 A1), Beihoff et al. (US 2003/0133267 A1), Koike et al. (US 2002/0154486), Ohba et al. (4,668,873), Loibl et al. (6,160,708).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Biju Chandran whose telephone number is (571) 272-5953. The examiner can normally be reached on 8AM - 5PM. Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SUPERVISORY PATENT EXAMINER
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